4.2.B. 0601020505.

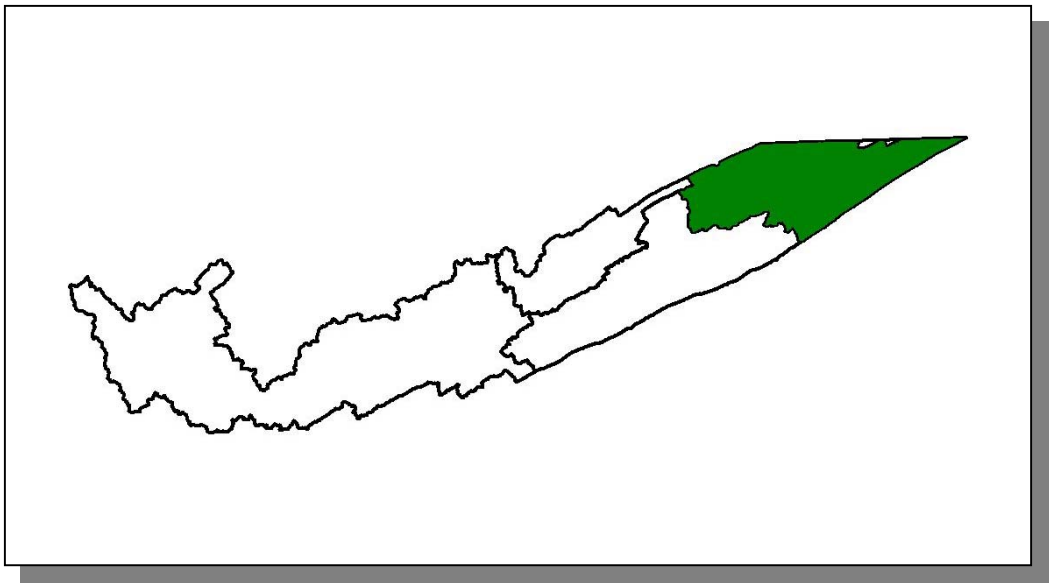

***Figure 4-56. Location of Subwatershed 0601020505.*** *All Upper Clinch River HUC-10 subwatershed boundaries are shown for reference.*

4.2.B.i. 060102050502 (Clinch River).

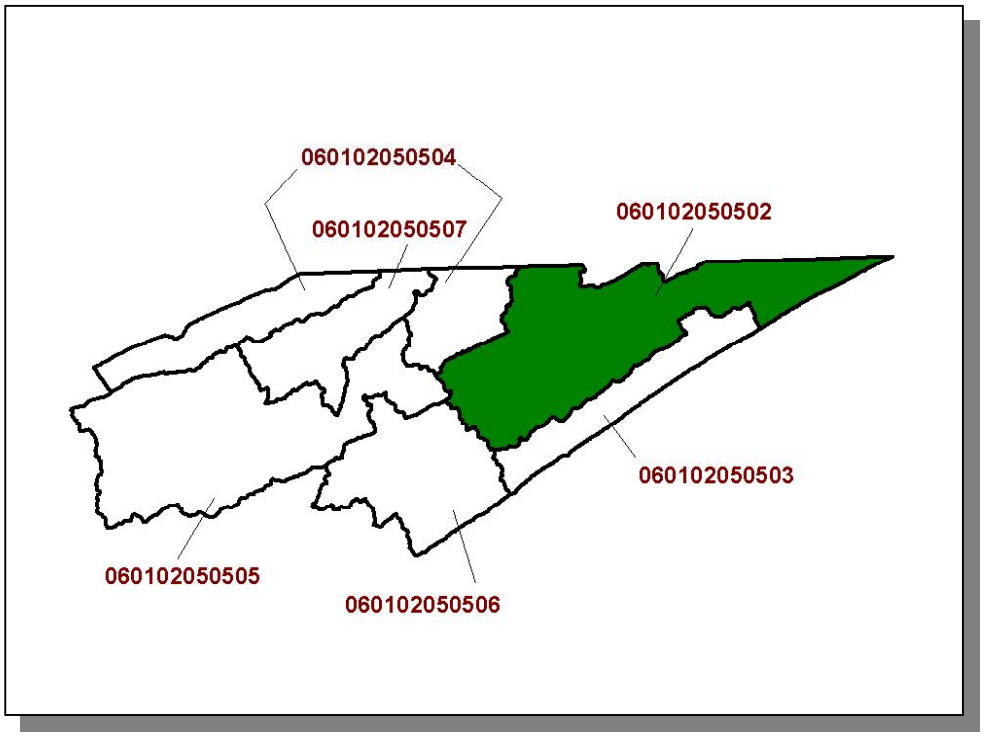


***Figure 4-57. Location of Subwatershed 060102050502.*** *All HUC-12 subwatershed boundaries are shown for reference.*

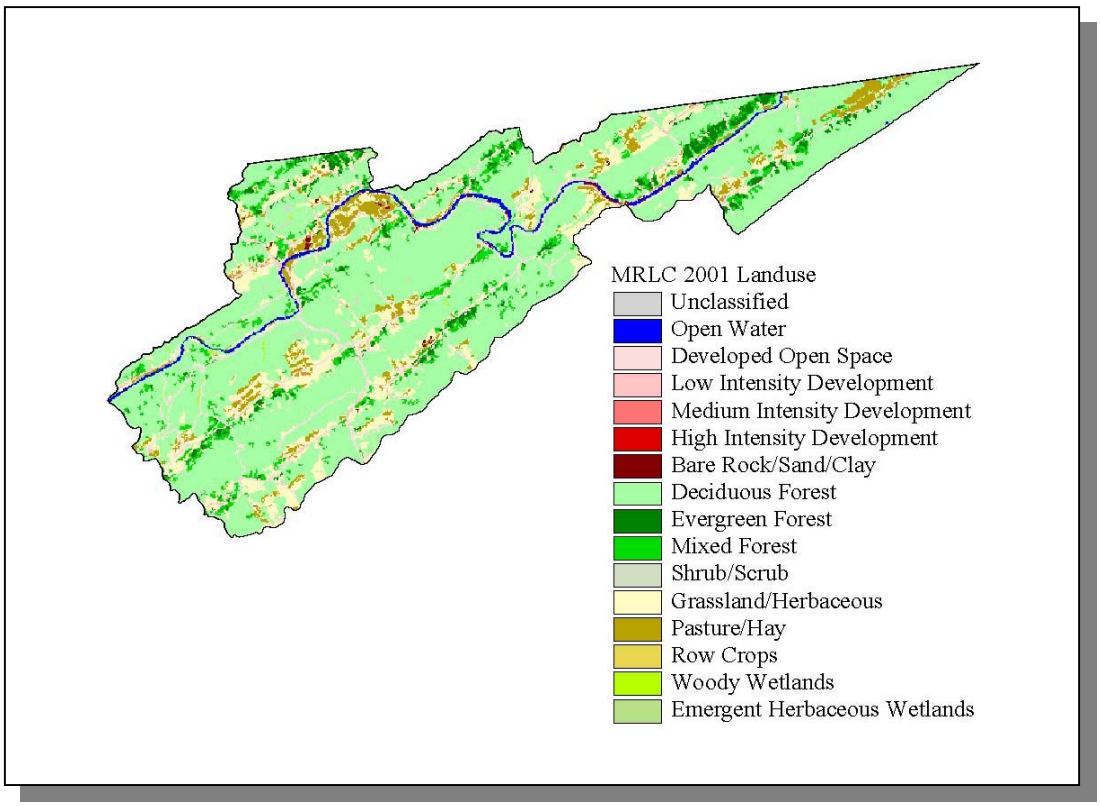


***Figure 4-58. Illustration of Land Use Distribution in Subwatershed 060102050502.***

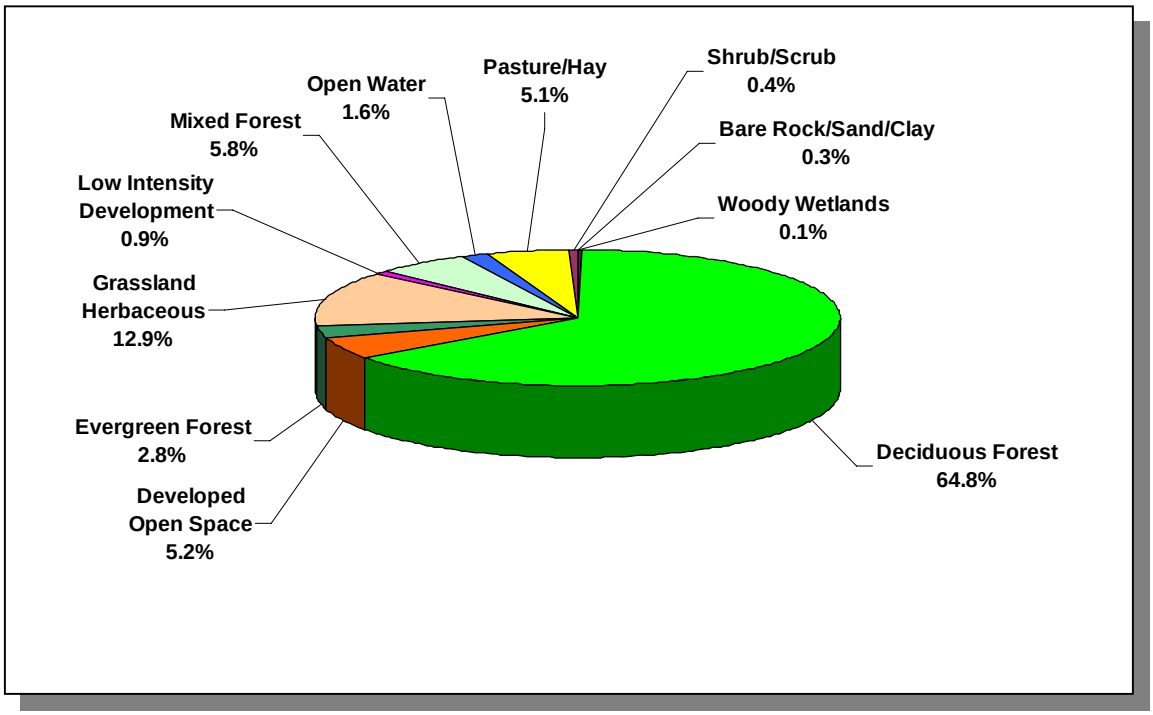


***Figure 4-59. Land Use Distribution in Subwatershed 060102050502.*** *More information is provided in Appendix IV.*

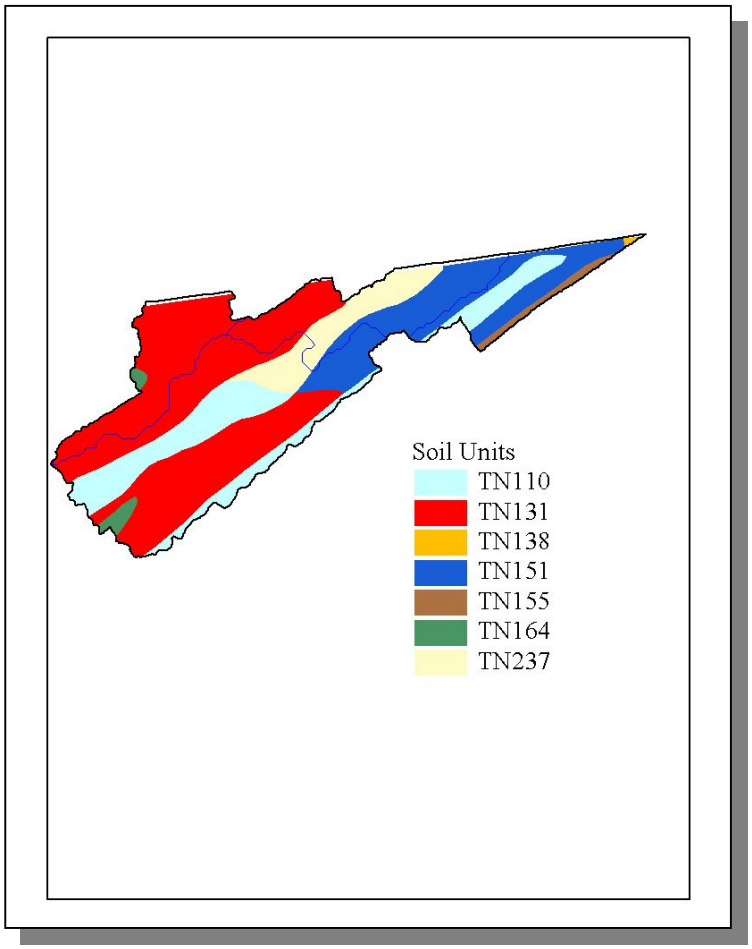


***Figure 4-60. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050502.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN110 | 0.00 | B | 2.22 | 4.96 | Loam | 0.31 |
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN138 | 0.00 | C | 2.48 | 4.26 | Sandy Loam | 0.22 |
| TN151 | 0.00 | C | 2.88 | 4.75 | Loam | 0.40 |
| TN155 | 0.00 | C | 1.71 | 5.31 | Loam | 0.32 |
| TN164 | 0.00 | C | 4.84 | 5.15 | Loam | 0.25 |
| TN237 | 0.00 | B | 3.36 | 5.40 | Silty Loam | 0.32 |

***Table 4-48. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050502.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

.

| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 10.8 | 728 | 734 | 733 | 0.7 |
| Hawkins | 44,565 | 48,821 | 53,563 | 2.27 | 1,010 | 1,107 | 1,214 | 20.2 |
| **Total** | **51,304** | **55,622** | **60,349** | | **1,738** | **1,841** | **1,947** | **12.0** |

***Table 4-49. Population Estimates in Subwatershed 060102050502.***

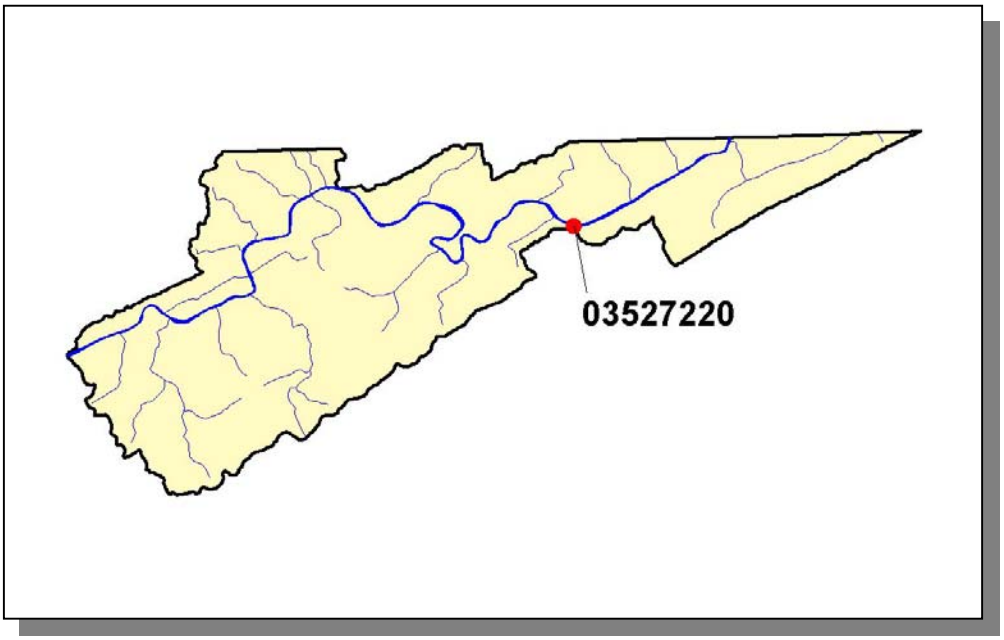


***Figure 4-61. Location of Historical Streamflow Data Collection Sites in Subwatershed 060102050502.*** *More information is provided in Appendix IV.*

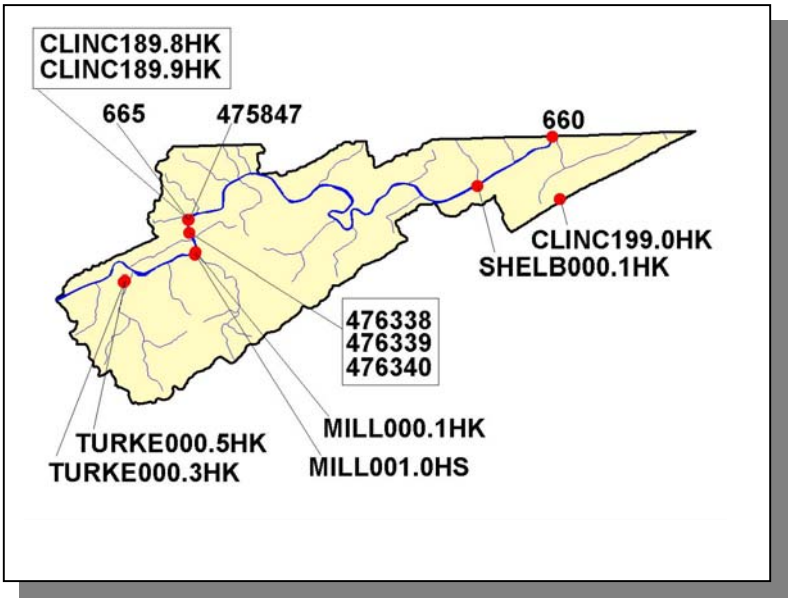


***Figure 4-62. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050502.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

## 4.2.B.i.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

## 4.2.B.i.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | | | |
|---|---|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | |
| 557 | 1,113 | 13 | <5 | <5 | 6 |

***Table 4-50. Summary of Livestock Count Estimates in Subwatershed 060102050502.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 0 | 67 |
| Hawkins | 18,796 | 36,429 | 903 | 1,079 | 442 | 243 |

***Table 4-51. Summary of Livestock Count Estimates in Hancock and Hawkins Counties.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |
| Hawkins | 177.4 | 177.4 | 0.4 | 2.1 |

***Table 4-52. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock and Hawkins Counties.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 1.81 |
| Grass (Hayland) | 0.62 |
| Legumes, Grass (Hayland) | 0.40 |
| Legumes (Hayland) | 0.16 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.71 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Row Crops) | 20.90 |
| Other Vegetable and Truck Crops | 33.50 |
| Farmsteads and Ranch Headquarters | 0.15 |

***Table 4-53. Annual Estimated Total Soil Loss in Subwatershed 060102050502.***

4.2.B.ii. 060102050503 (War Creek).

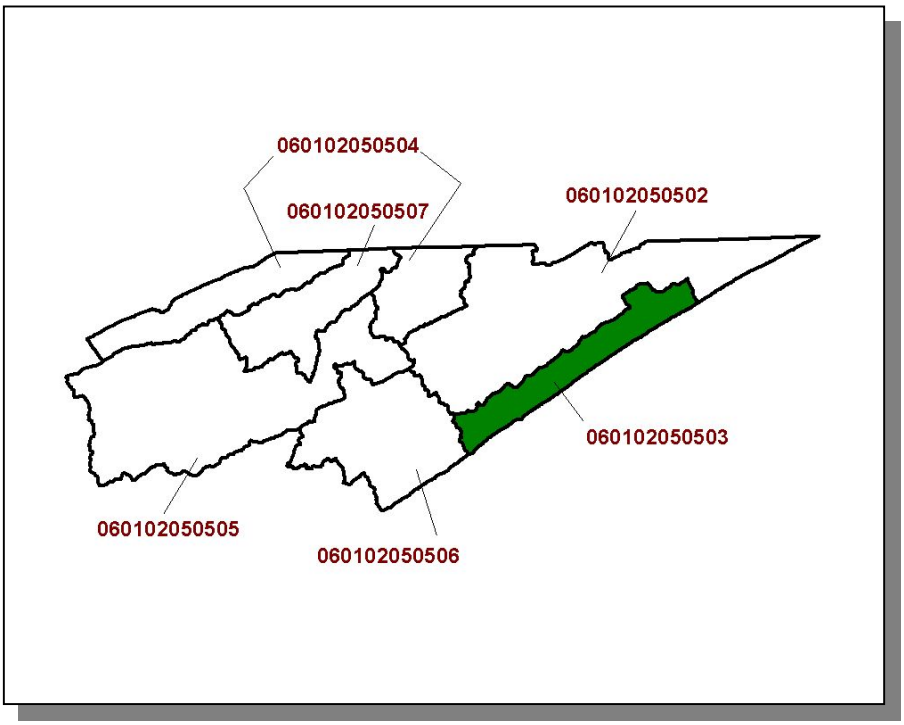


***Figure 4-63. Location of Subwatershed 060102050503.*** *All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

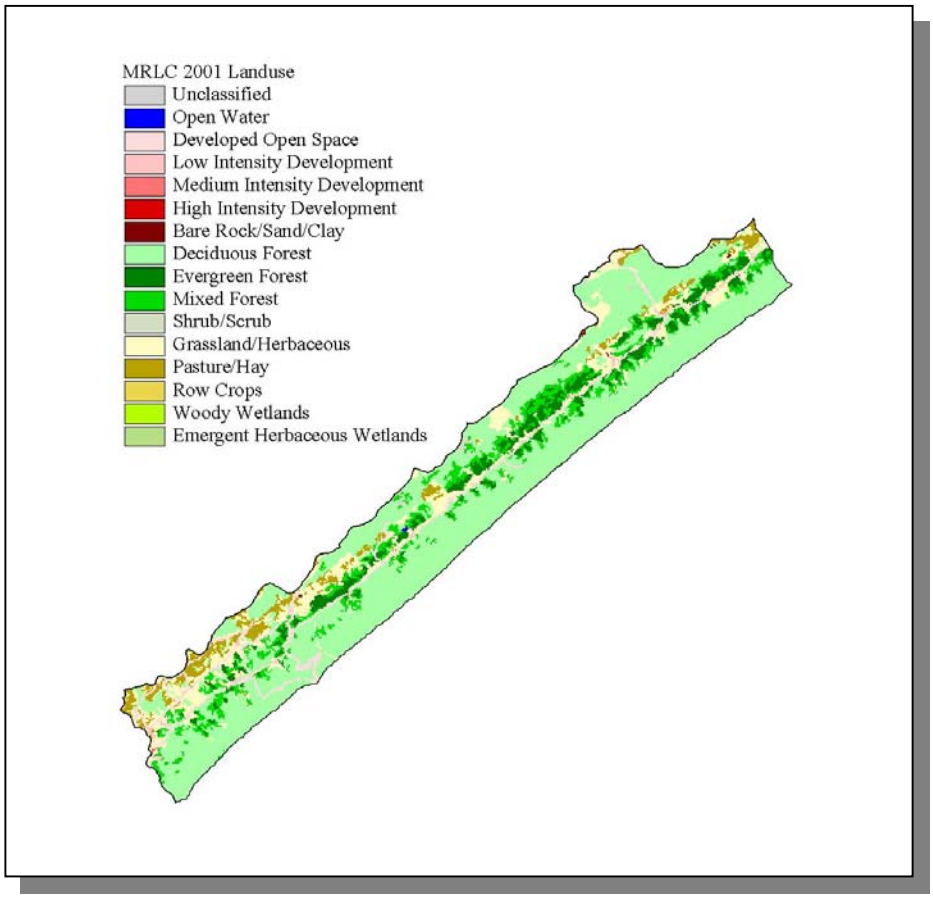


***Figure 4-64. Illustration of Land Use Distribution in Subwatershed 060102050503.***

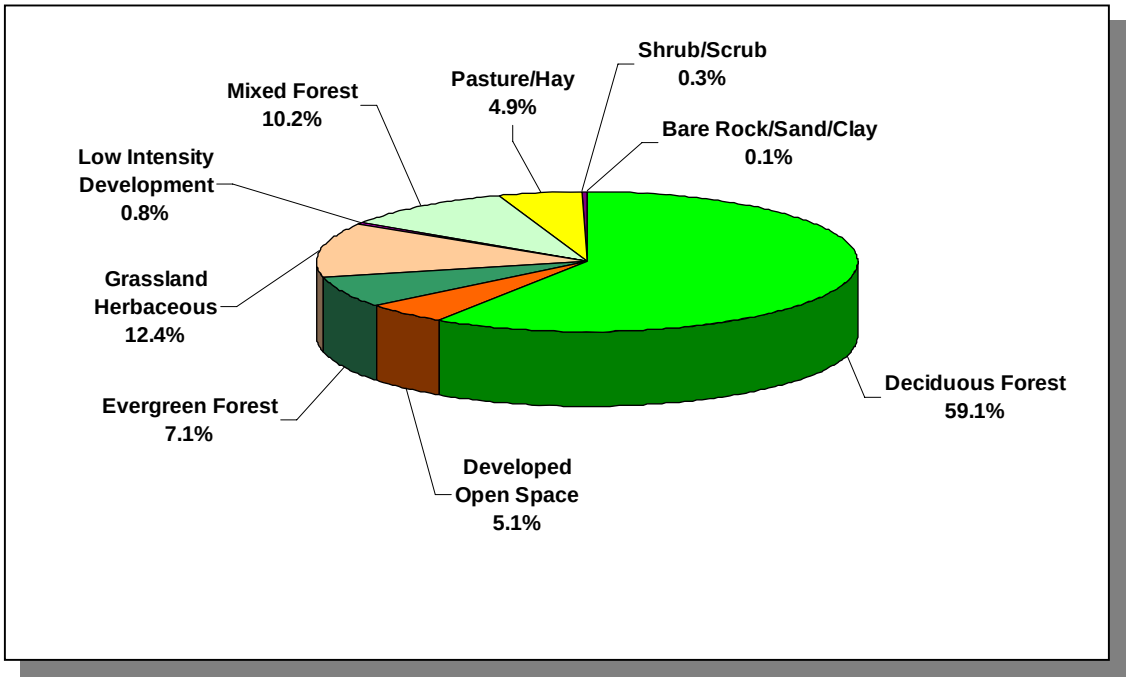


***Figure 4-65. Land Use Distribution in Subwatershed 060102050503.*** *More information is provided in Appendix IV.*

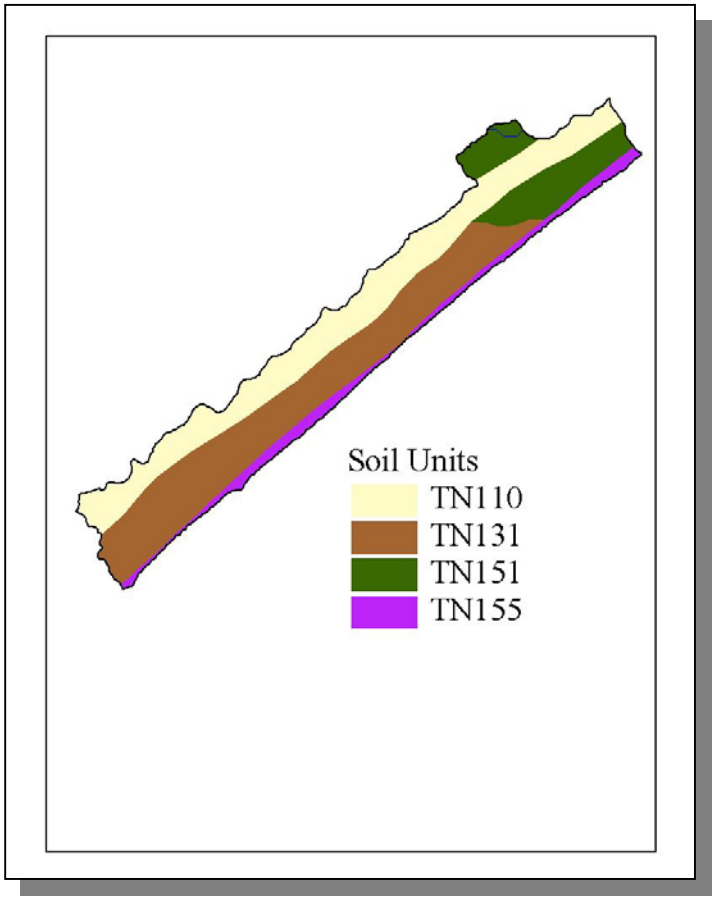


***Figure 4-66. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050503.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN110 | 0.00 | B | 2.22 | 4.96 | Loam | 0.31 |
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN151 | 0.00 | C | 2.88 | 4.75 | Loam | 0.40 |
| TN155 | 0.00 | C | 1.71 | 5.31 | Loam | 0.32 |

***Table 4-54. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050503.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

.

| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 1.55 | 105 | 106 | 105 | 0.0 |
| Hawkins | 44,565 | 48,821 | 53,563 | 1.55 | 691 | 757 | 830 | 20.1 |
| **Total** | **51,304** | **55,622** | **60,349** | | **796** | **863** | **935** | **17.5** |

***Table 4-55. Population Estimates in Subwatershed 060102050503.***

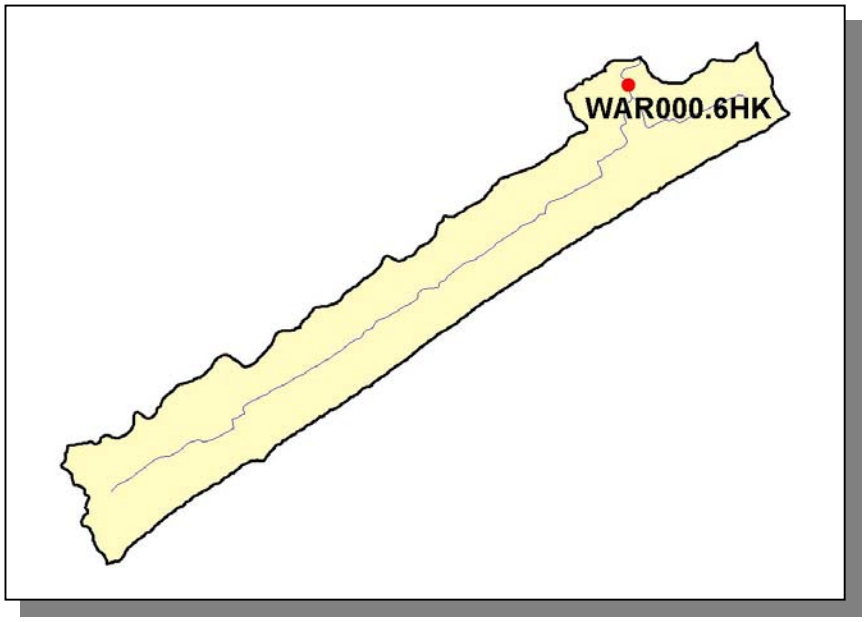


***Figure 4-67. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050503.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

4.2.B.ii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.ii.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | | | |
|---|---|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | |
| 167 | 326 | 7 | <5 | <5 | <5 |

***Table 4-56. Summary of Livestock Count Estimates in Subwatershed 060102050503.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 0 | 67 |
| Hawkins | 18,796 | 36,429 | 903 | 1,079 | 442 | 243 |

***Table 4-57. Summary of Livestock Count Estimates in Hancock and Hawkins Counties.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |
| Hawkins | 177.4 | 177.4 | 0.4 | 2.1 |

***Table 4-58. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock and Hawkins Counties.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 0.96 |
| Grass (Hayland) | 0.59 |
| Legumes, Grass (Hayland) | 0.40 |
| Legumes (Hayland) | 0.16 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.62 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Row Crops) | 18.44 |
| Other Vegetable and Truck Crops | 33.50 |
| Farmsteads and Ranch Headquarters | 0.29 |

***Table 4-59. Annual Estimated Total Soil Loss in Subwatershed 060102050503.***

4.2.B.iii. 060102050504 (Blackwater Creek).

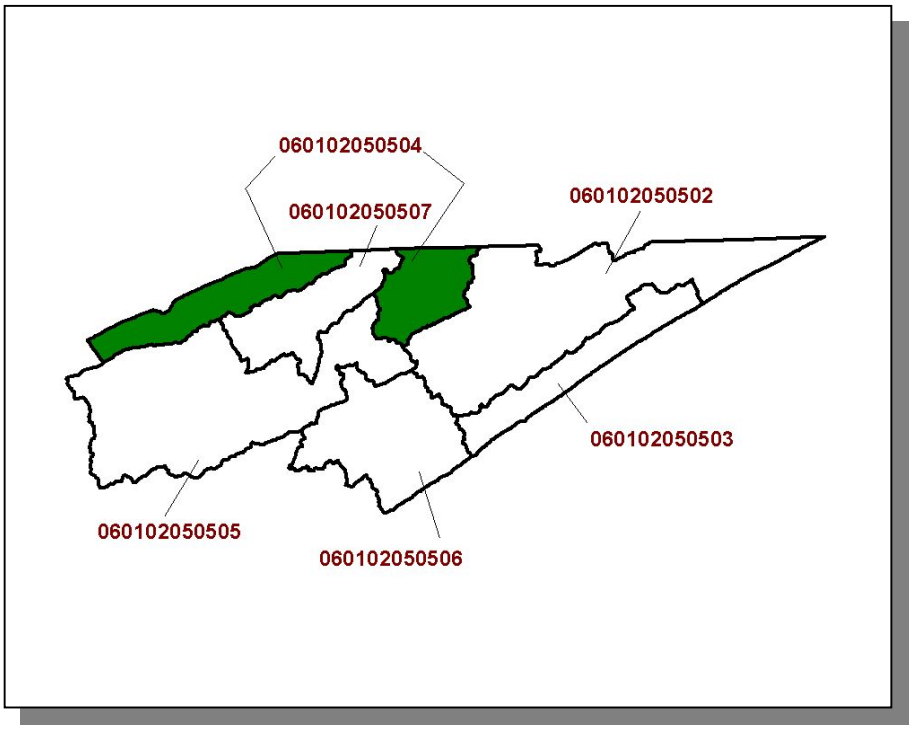


***Figure 4-68. Location of Subwatershed 060102050504.*** *All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

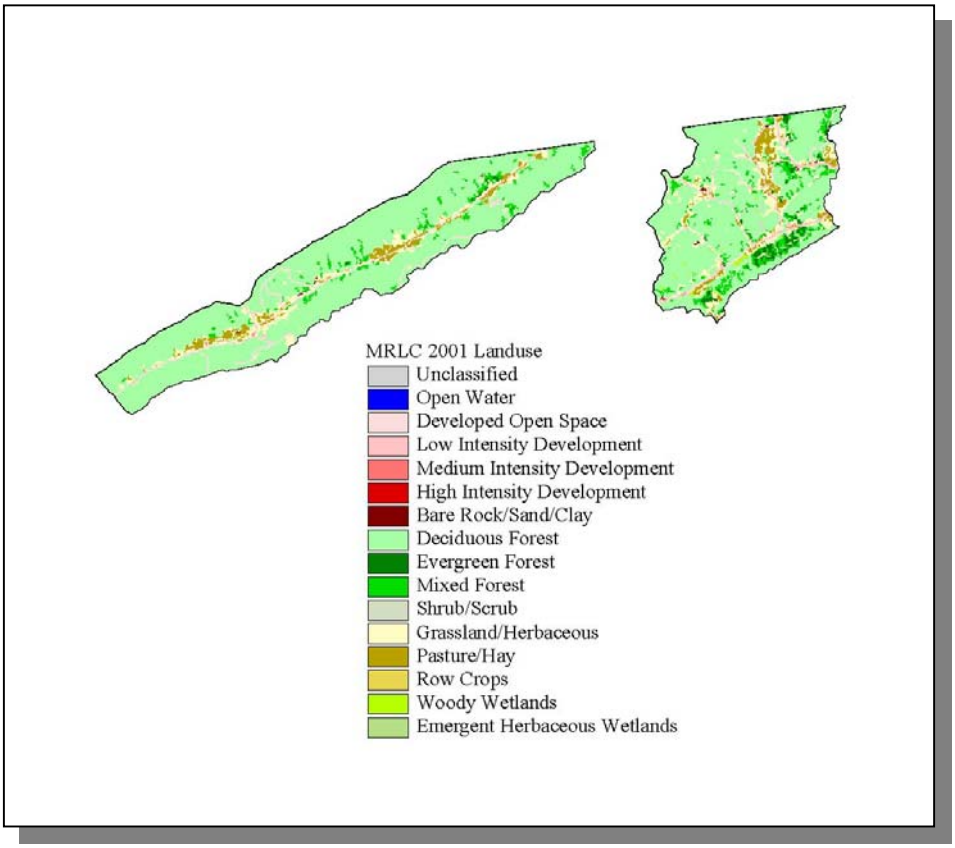


***Figure 4-69. Illustration of Land Use Distribution in Subwatershed 060102050504.***

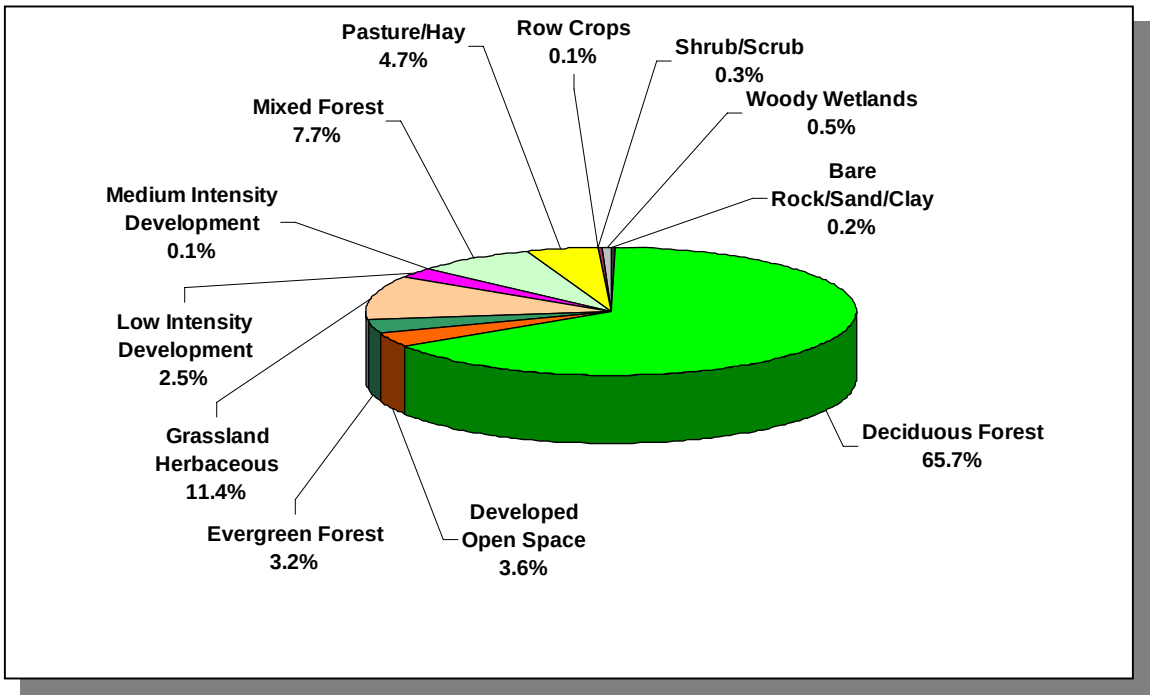


***Figure 4-70. Land Use Distribution in Subwatershed 060102050504.*** *More information is provided in Appendix IV.*

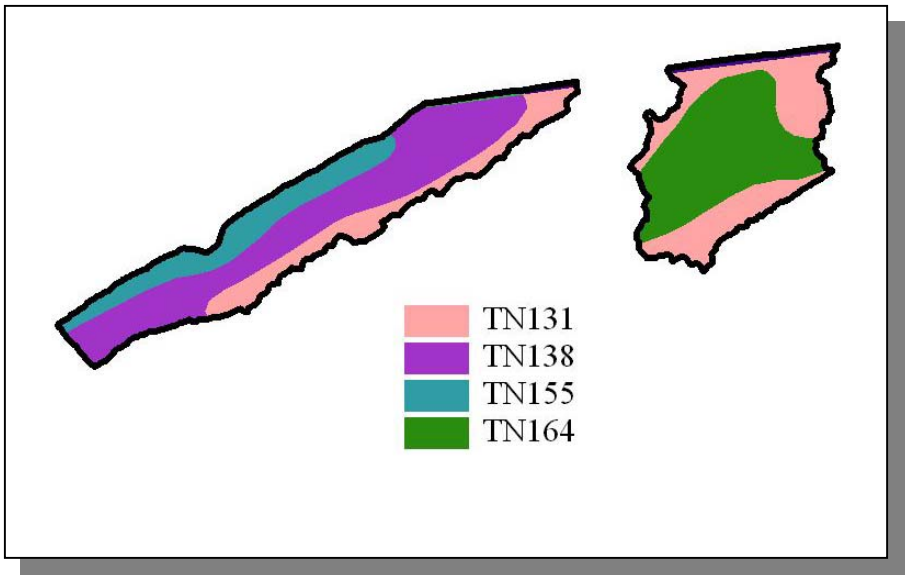


***Figure 4-71. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050504.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN138 | 0.00 | C | 2.48 | 4.26 | Sandy Loam | 0.22 |
| TN155 | 0.00 | C | 1.71 | 5.31 | Loam | 0.32 |
| TN164 | 0.00 | C | 4.48 | 5.15 | Loam | 0.25 |

***Table 4-60. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050504.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

.

| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 4.5 | 303 | 306 | 305 | 0.7 |

***Table 4-61. Population Estimates in Subwatershed 060102050504.***

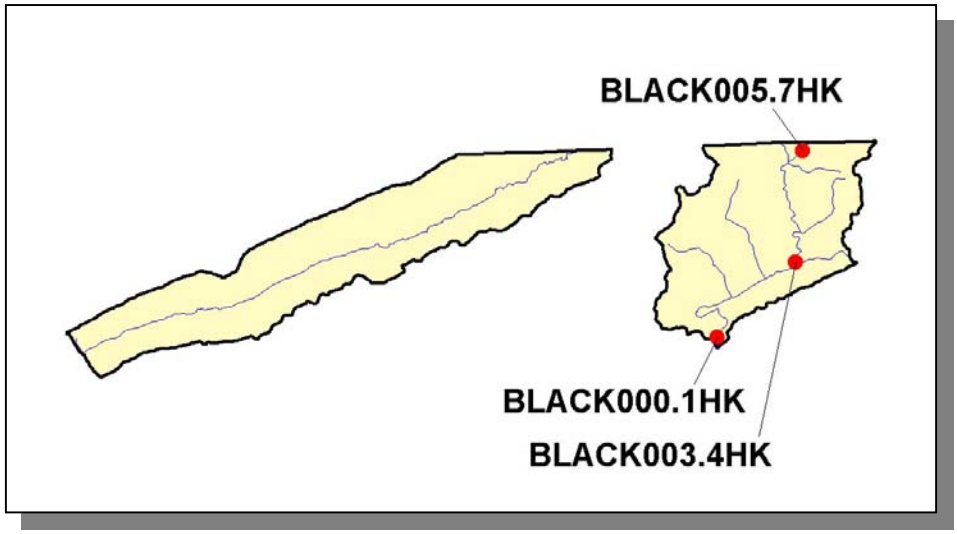


***Figure 4-72. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050504.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

## 4.2.B.iii.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

## 4.2.B.iii.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | |
|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Sheep |
| | | | |
| 78 | 158 | <5 | <5 |

***Table 4-62. Summary of Livestock Count Estimates in Subwatershed 060102050504.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.*

| LIVESTOCK COUNTS | | | | | |
|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Sheep |
| | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 67 |

***Table 4-63. Summary of Livestock Count Estimates in Hancock County.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |

***Table 4-64. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock County.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 2.54 |
| Grass (Hayland) | 0.65 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.79 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Row Crops) | 23.03 |
| Farmsteads and Ranch Headquarters | 0.03 |

***Table 4-65. Annual Estimated Total Soil Loss in Subwatershed 060102050504.***

4.2.B.iv. 060102050505 (Clinch River).

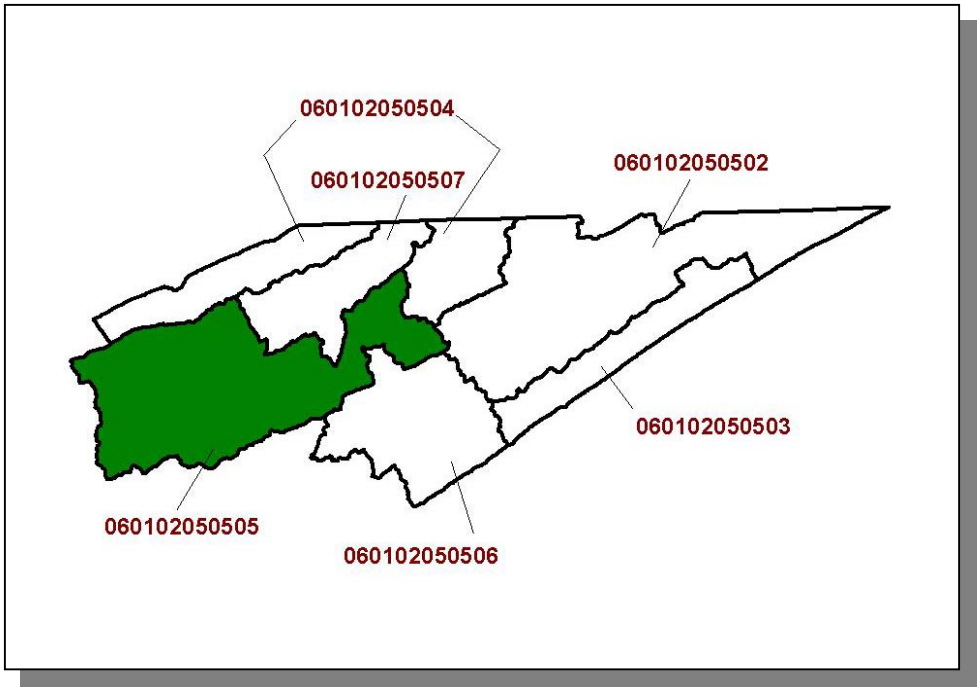


***Figure 4-73. Location of Subwatershed 060102050505.*** *All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

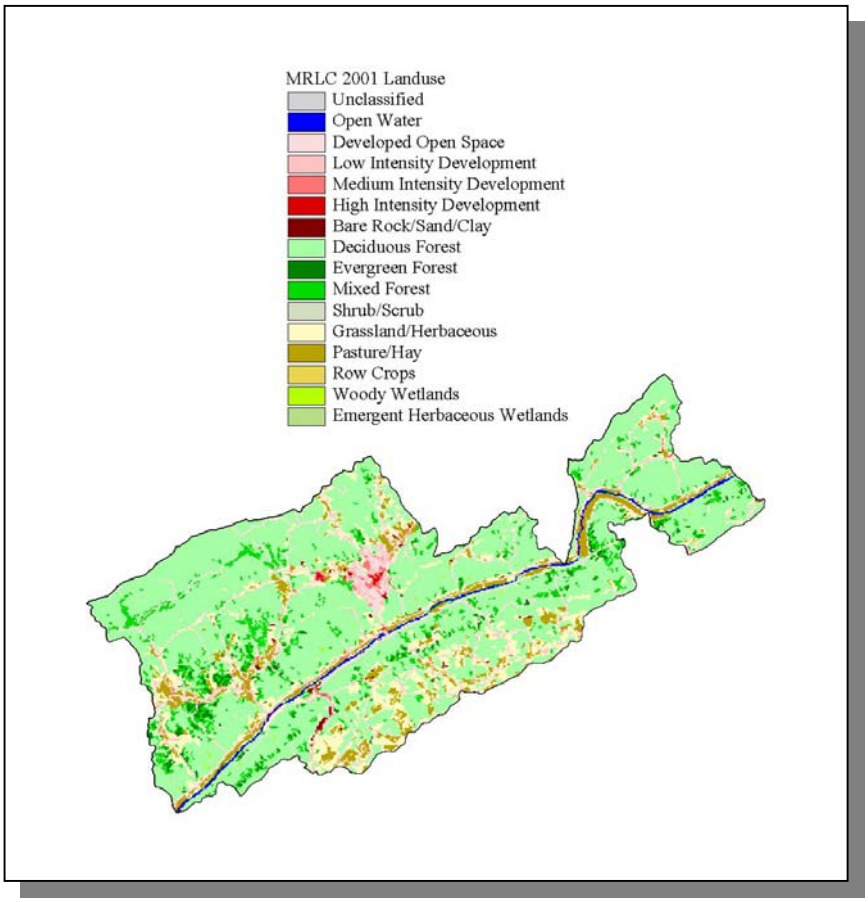


***Figure 4-74. Illustration of Land Use Distribution in Subwatershed 060102050505.***

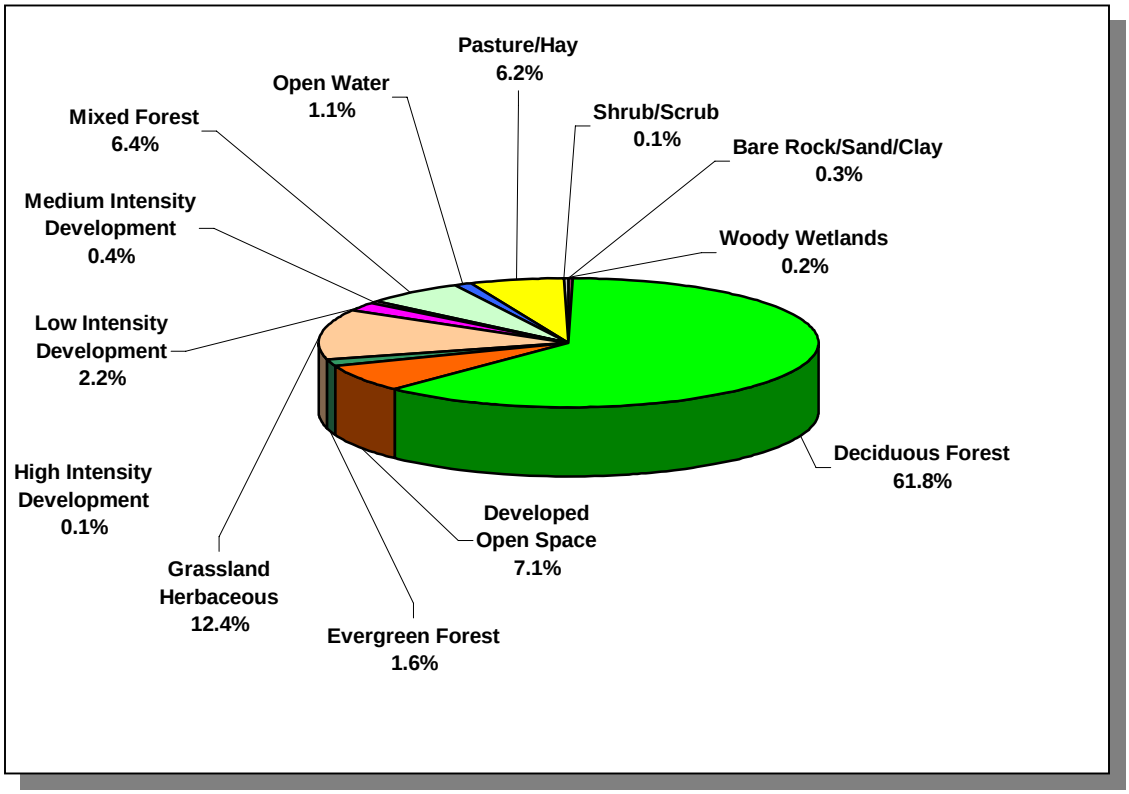


***Figure 4-75. Land Use Distribution in Subwatershed 060102050505.*** *More information is provided in Appendix IV.*

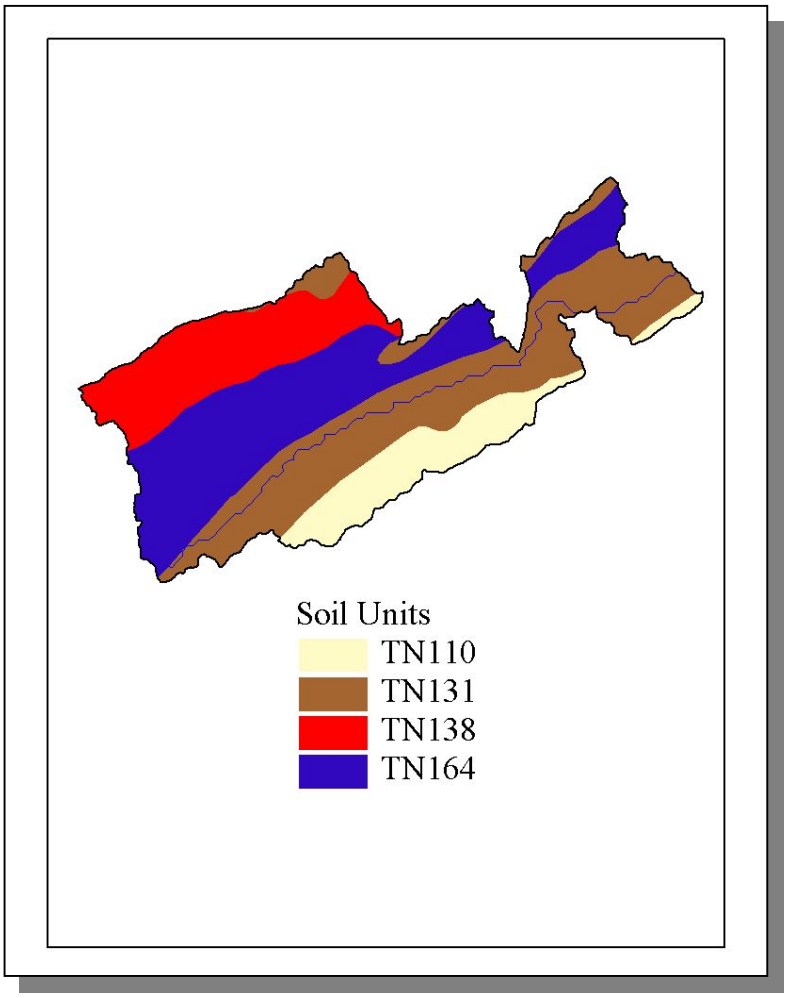


***Figure 4-76. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050505.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN110 | 0.00 | B | 2.22 | 4.96 | Loam | 0.31 |
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN138 | 0.00 | C | 2.48 | 4.26 | Sandy Loam | 0.22 |
| TN164 | 0.00 | C | 4.48 | 5.15 | Loam | 0.25 |

***Table 4-66. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050505.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

.

| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 17.44 | 1,176 | 1,186 | 1,184 | 0.7 |

***Table 4-67. Population Estimates in Subwatershed 060102050505.***

| | | | NUMBER OF HOUSING UNITS | | | |
|---|---|---|---|---|---|---|
| Populated Place | County | Population | Total | Public Sewer | Septic Tank | Other |
| | | | | | | |
| Sneedville | Hancock | 1,446 | 551 | 451 | 90 | 10 |

***Table 4-68. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050505.***

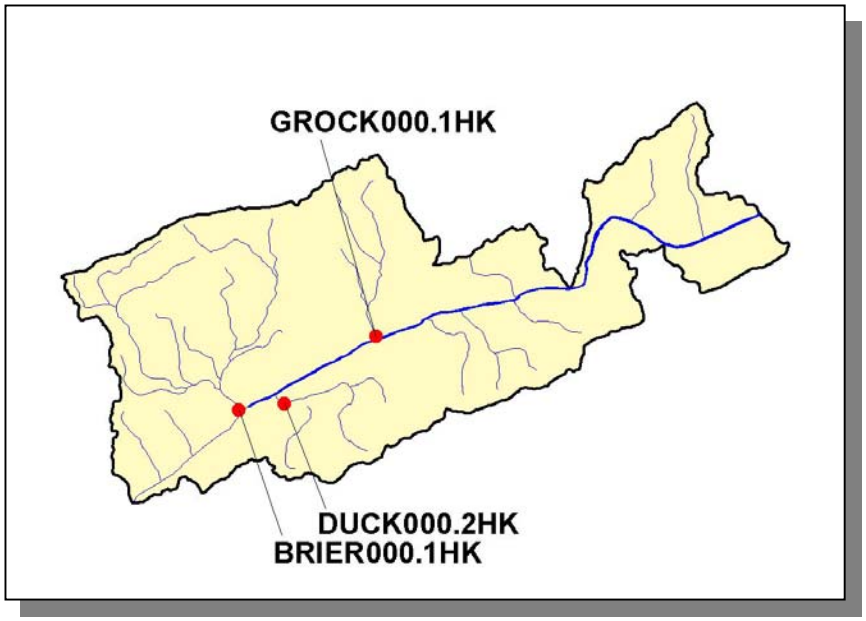


***Figure 4-77. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050505.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

4.2.B.iv.a. Point Source Contributions.

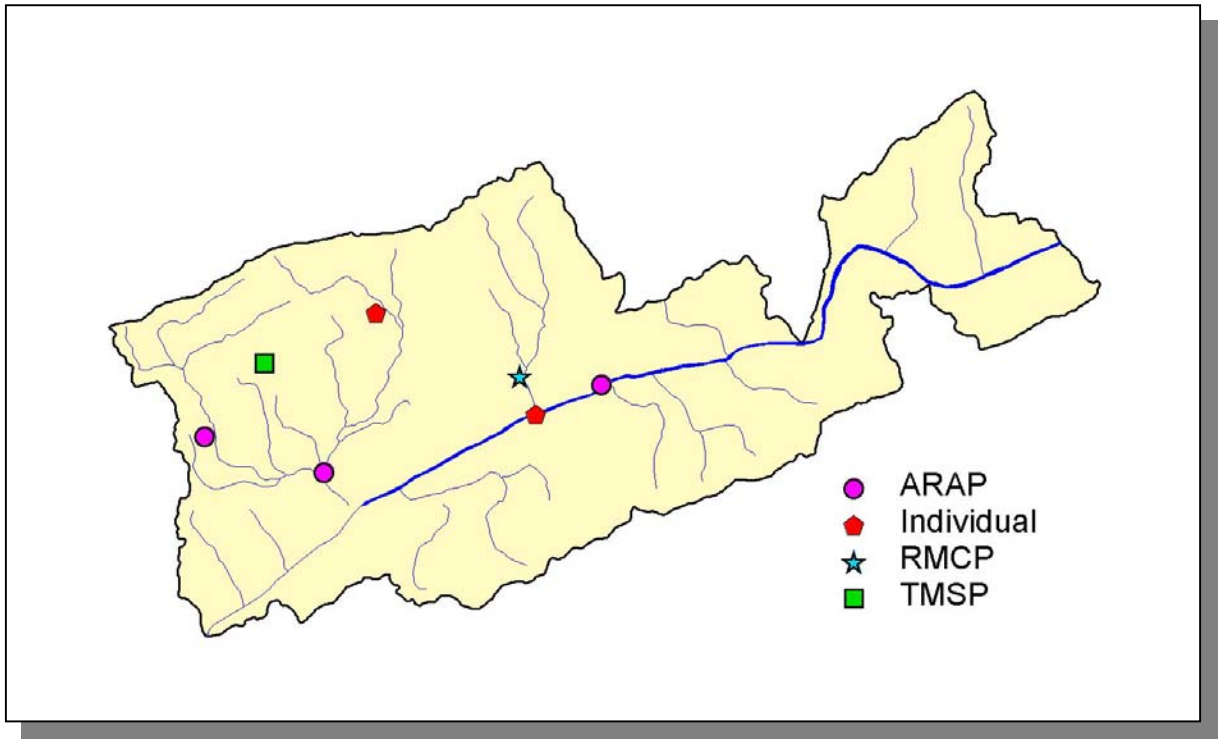


***Figure 4-78. Location of Permits Issued in Subwatershed 060102050505.*** *More information, including the names of facilities, is provided in Appendix IV.*

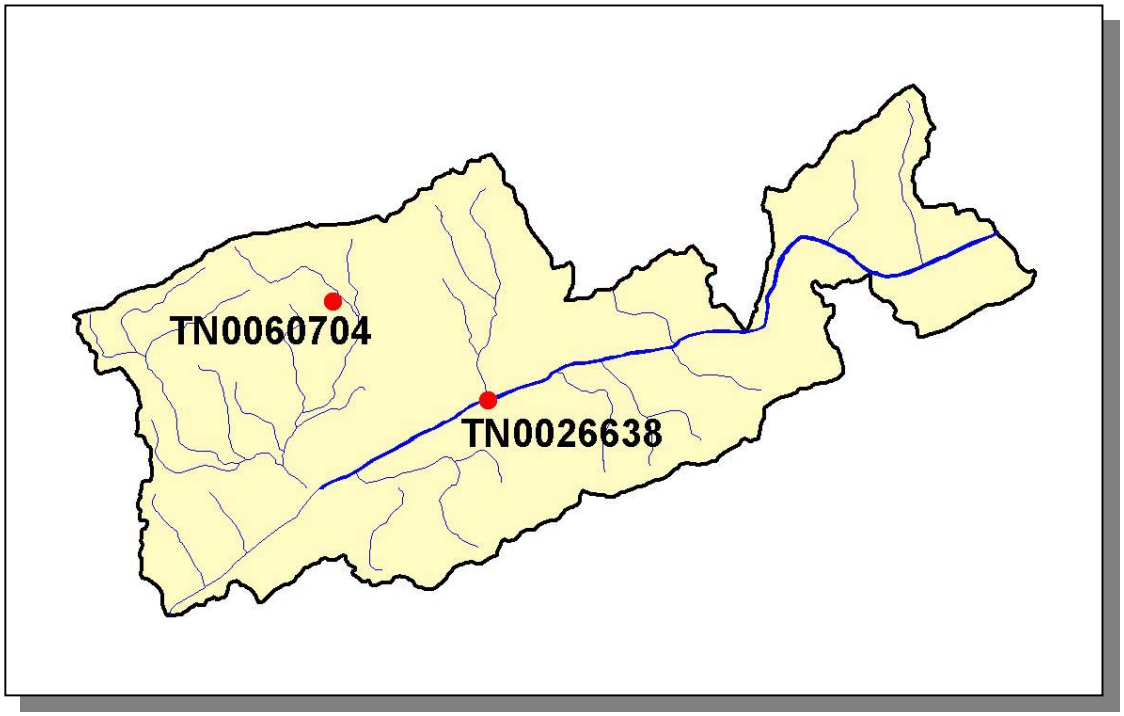


***Figure 4-79. Location of Active NPDES Sites in Subwatershed 060102050505.*** *More information, including the names of facilities, is provided in Appendix IV.*

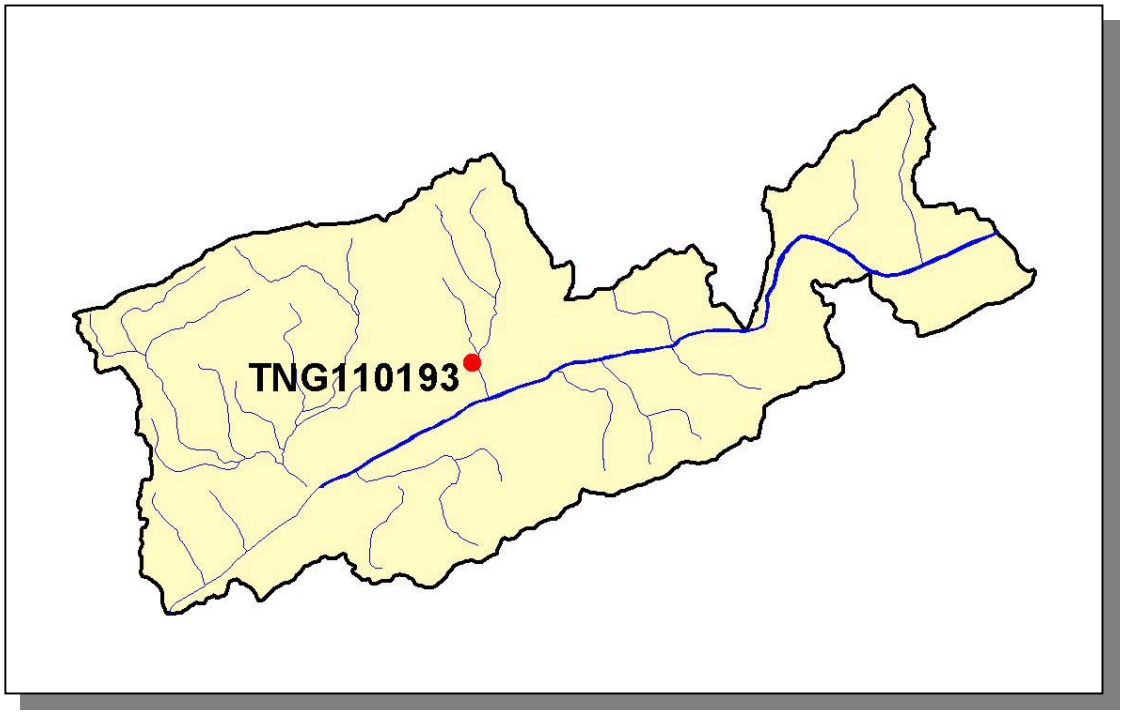


***Figure 4-80. Location of Ready Mix Concrete Plants (RMCP) in Subwatershed 060102050505.*** *More information is provided in Appendix IV.*

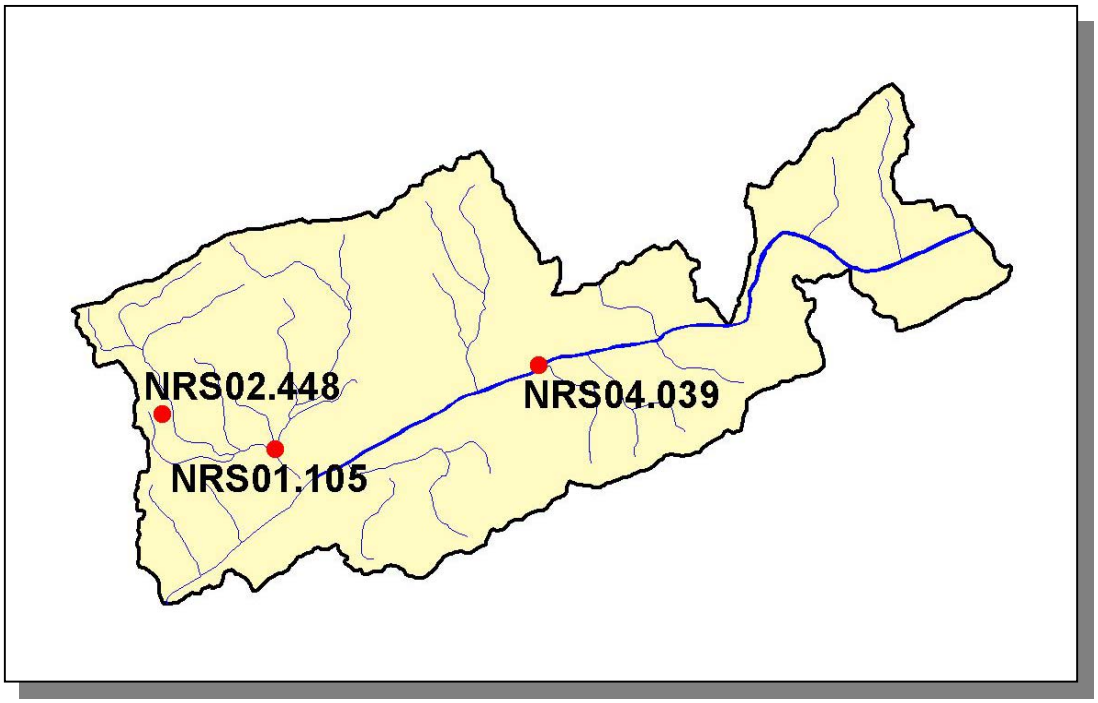


***Figure 4-81. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 060102050505.*** *More information is provided in Appendix IV.*

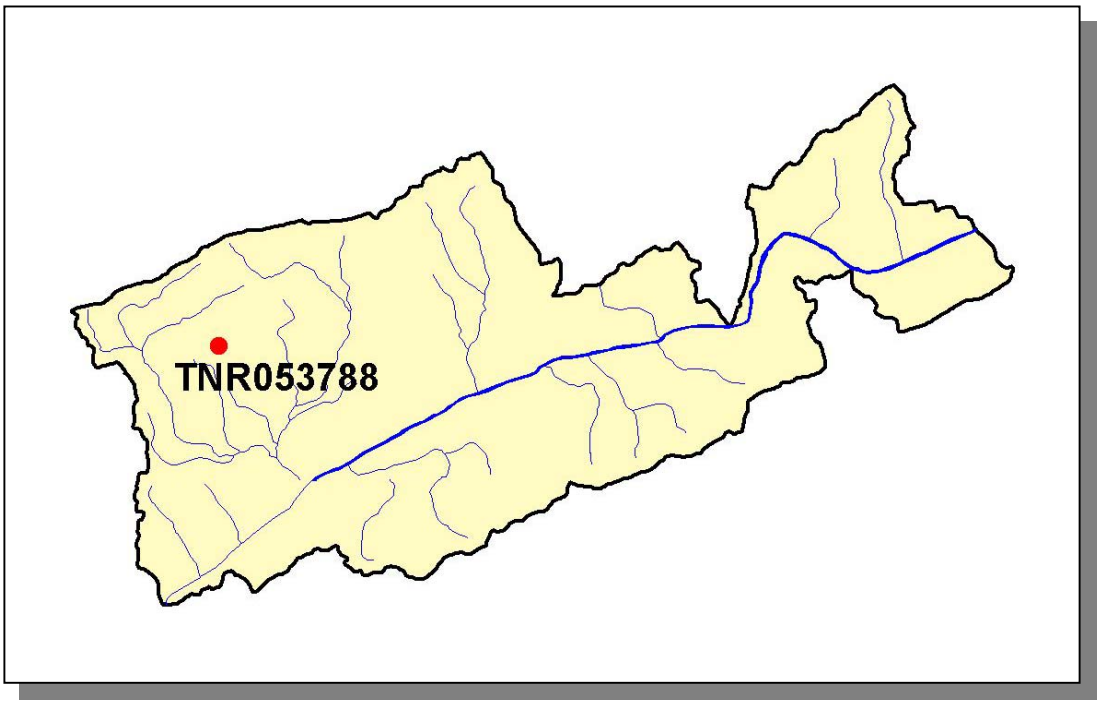


***Figure 4-82. Location of TMSP Sites in Subwatershed 060102050505.*** *More information, including the names of facilities, is provided in Appendix IV.*

4.2.B.iv.a.i. Dischargers to Water Bodies Listed on the 2004 303(d) List

There is one NPDES facility discharging to water bodies listed on the 2004 303(d) list in Subwatershed 060102050505:

- TN0026638 (Sneedville STP) discharges to the Clinch River @ RM 177.4

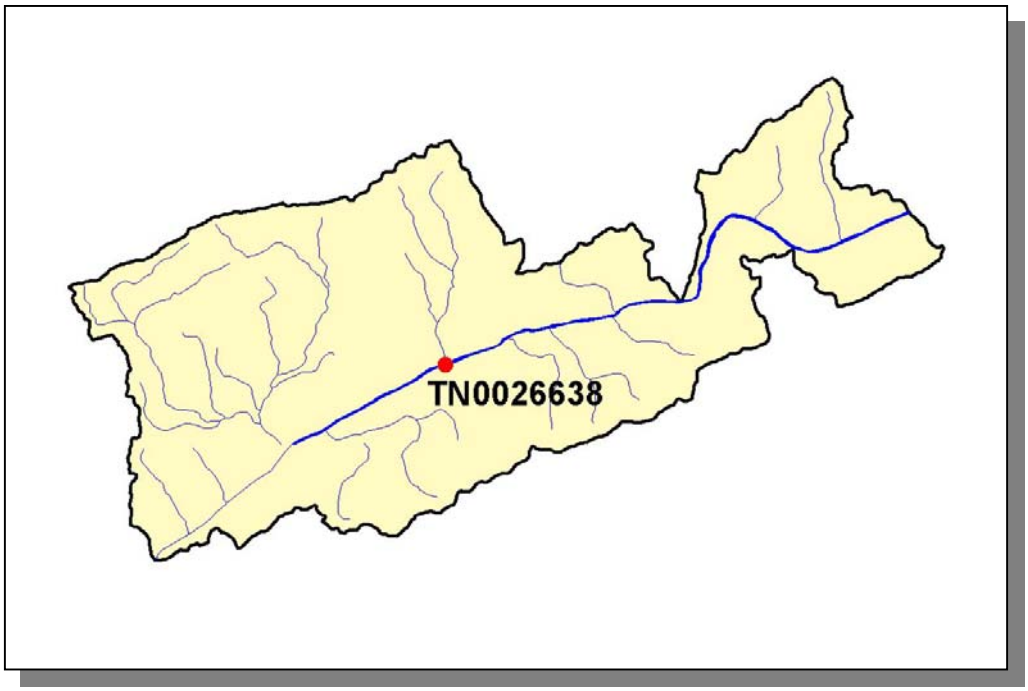


***Figure 4-83. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 060102050505.*** *More information, including the names of facilities, is provided in Appendix IV.*

| PERMIT # | 1Q10 | 3Q10 | 7Q10 | 3Q20 | QDESIGN |
|---|---|---|---|---|---|
| TN0026638 | | | 64.6 | | |

***Table 4-69. Receiving Stream Flow Information for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050505.*** *Data are in million gallons per day (MGD). Data were obtained from the USGS publication Flow Duration and Low Flows of Tennessee Streams Through 1992 or from permit files.*

| PERMIT # | FLOW | $N0_2+NO_3$ | N | Zn | Cu | Pb | Ni | Cd | Hg | Mo | As | Se |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TN0026638 | X | X | X | X | X | X | X | X | X | X | X | X |

***Table 4-70. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050505.***

| PERMIT # | $CBOD_5$ | TRC | TSS | SETTLEABLE SOLIDS | DO | pH |
|---|---|---|---|---|---|---|
| TN0026638 | X | X | X | X | X | X |

***Table 4-71. Inorganic Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050505.*** *$CBOD_5$, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.*

| PERMIT # | *E. coli* | FECAL COLIFORM |
|---|---|---|
| TN0026638 | X | X |

***Table 4-72. Bacteria Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 060102050505.***

4.2.B.iv.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | | |
|---|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Sheep |
| | | | | |
| 813 | 1,644 | 10 | <5 | 8 |

***Table 4-73. Summary of Livestock Count Estimates in Subwatershed 051302050505.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | |
|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Sheep |
| | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 67 |

***Table 4-74. Summary of Livestock Count Estimates in Hancock County.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |

***Table 4-75. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock County.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 2.54 |
| Grass (Hayland) | 0.66 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.79 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Row Crops) | 23.03 |
| Farmsteads and Ranch Headquarters | 0.03 |

***Table 4-76. Annual Estimated Total Soil Loss in Subwatershed 060102050505.***

4.2.B.v. 060102050506 (Richardson Creek).

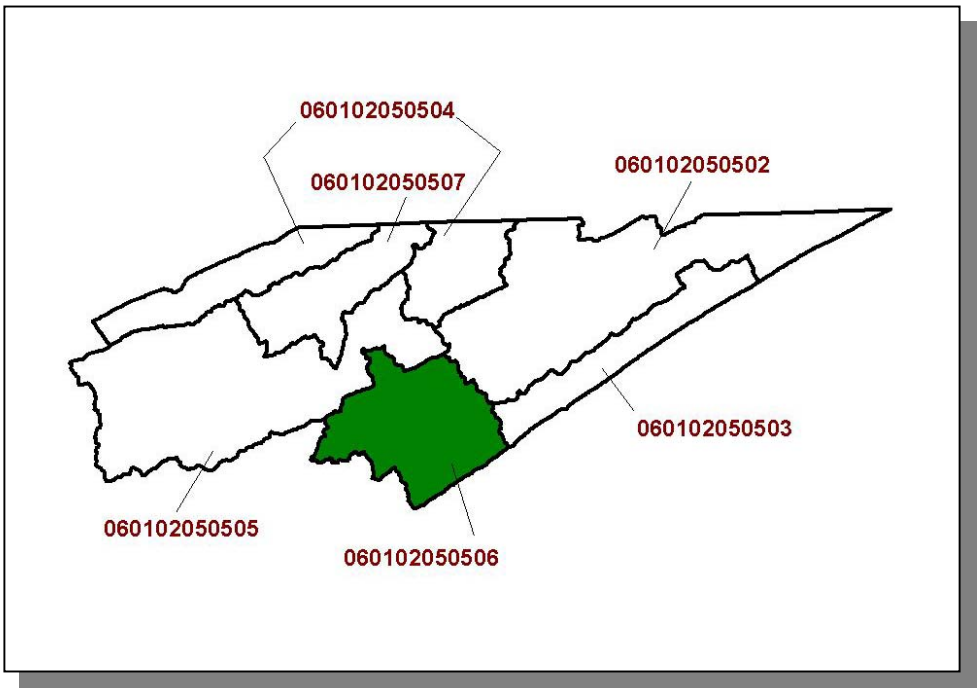


***Figure 4-84. Location of Subwatershed 060102050506.*** *All Upper Clinch River HUC-12 subwatershed boundaries are shown for reference.*

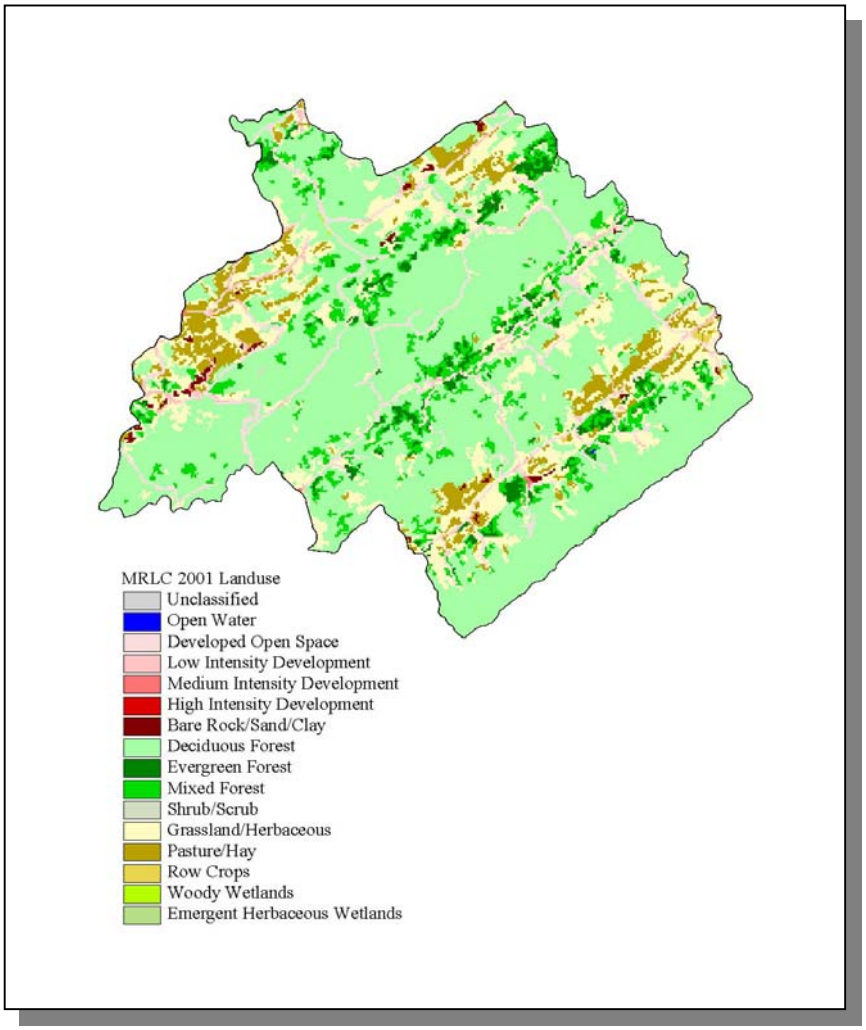


***Figure 4-85. Illustration of Land Use Distribution in Subwatershed 060102050506.***

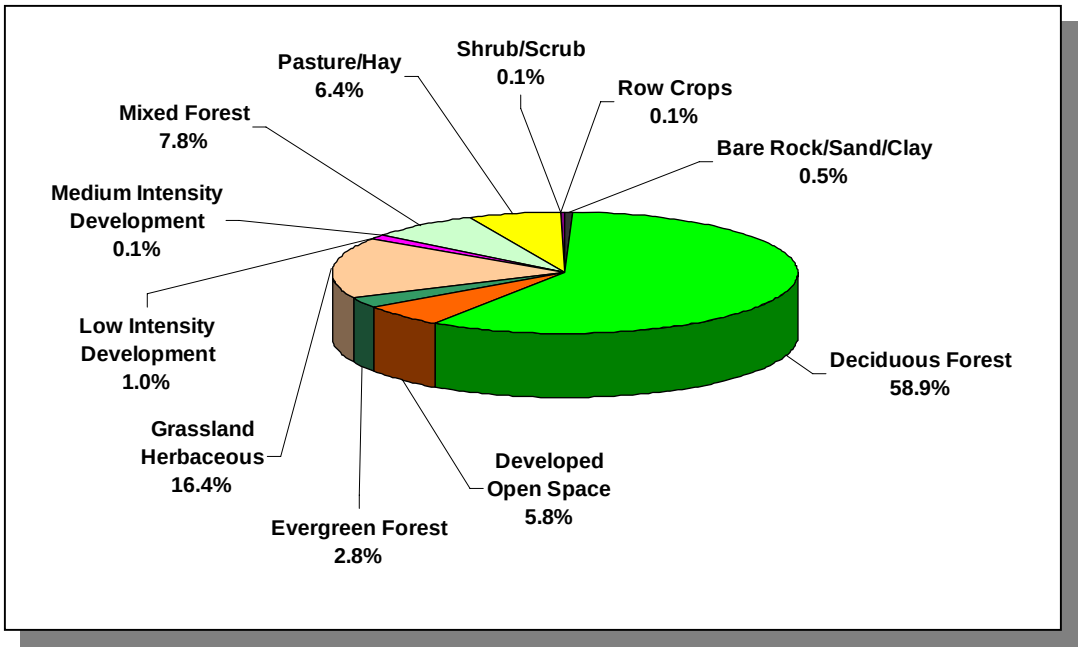


***Figure 4-86. Land Use Distribution in Subwatershed 060102050506.*** *More information is provided in Appendix IV.*

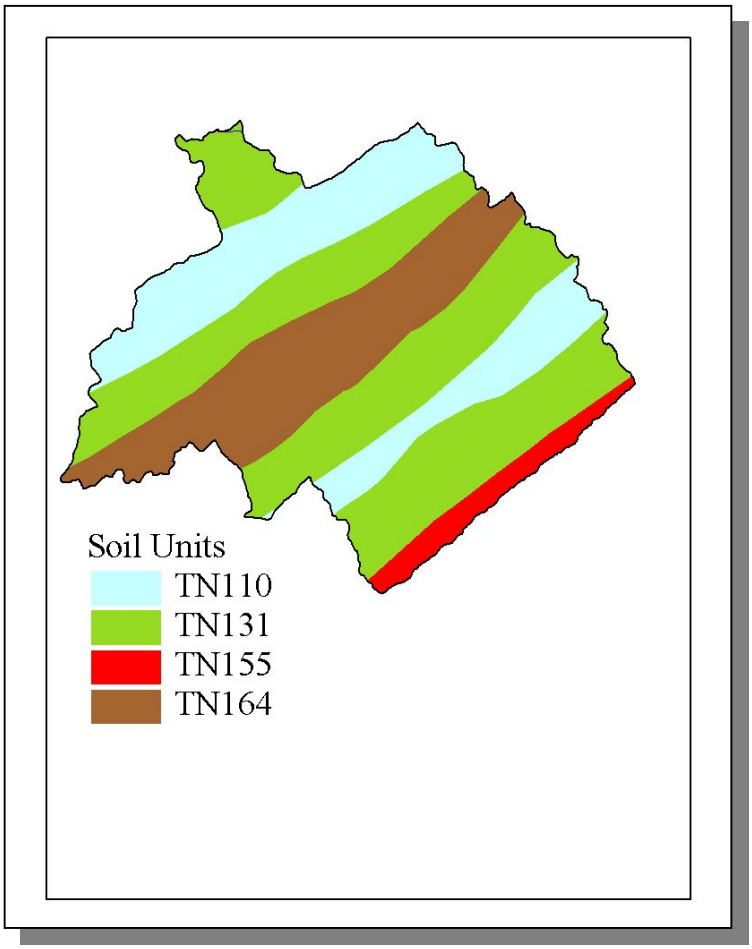


***Figure 4-87. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050506.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN110 | 0.00 | B | 2.22 | 4.96 | Loam | 0.31 |
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN155 | 0.00 | C | 1.71 | 5.31 | Loam | 0.32 |
| TN164 | 0.00 | C | 4.48 | 5.15 | Loam | 0.25 |

***Table 4-77. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050506.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

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| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 2.73 | 184 | 186 | 185 | 0.5 |
| Hawkins | 44,565 | 48,821 | 53,563 | 2.49 | 1,110 | 1,216 | 1,335 | 20.3 |
| **Total** | **51,304** | **55,622** | **60,349** | | **1,294** | **1,402** | **1,520** | **17.5** |

***Table 4-78. Population Estimates in Subwatershed 060102050506.***

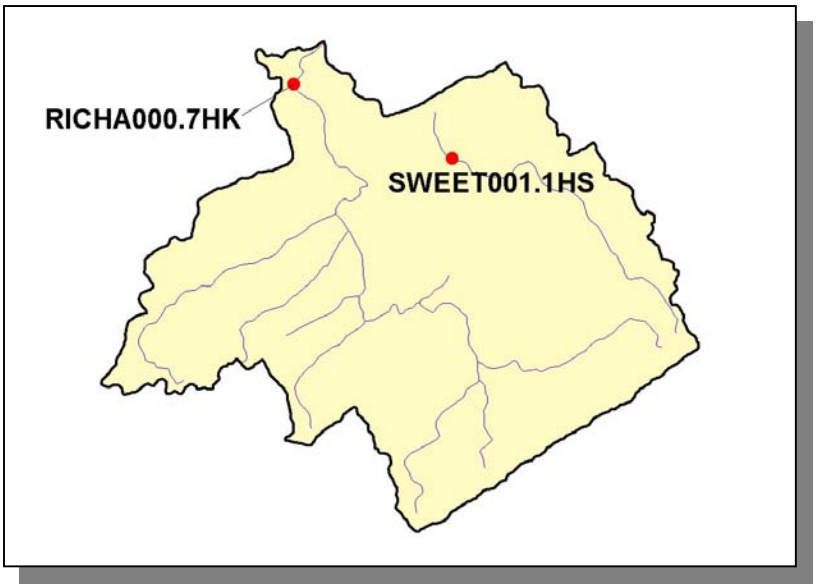


***Figure 4-88. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050506.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

4.2.B.v.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.v.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | | | |
|---|---|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | |
| 443 | 881 | 12 | <5 | 4 | 5 |

***Table 4-79. Summary of Livestock Count Estimates in Subwatershed 060102050506.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 0 | 67 |
| Hawkins | 18,796 | 36,429 | 903 | 1,079 | 442 | 243 |

***Table 4-80. Summary of Livestock Count Estimates in Hancock and Hawkins Counties.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |
| Hawkins | 177.4 | 177.4 | 0.4 | 2.1 |

***Table 4-81. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock and Hawkins Counties.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 1.01 |
| Grass (Hayland) | 0.59 |
| Legumes, Grass (Hayland) | 0.40 |
| Legumes (Hayland) | 0.16 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.62 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Close-Grown Cropland) | 18.57 |
| Other Vegetable and Truck Crops | 33.50 |
| Farmsteads and Ranch Headquarters | 0.28 |

***Table 4-82. Annual Estimated Total Soil Loss in Subwatershed 060102050506.***

4.2.B.vi. 060102050507 (Panther Creek).

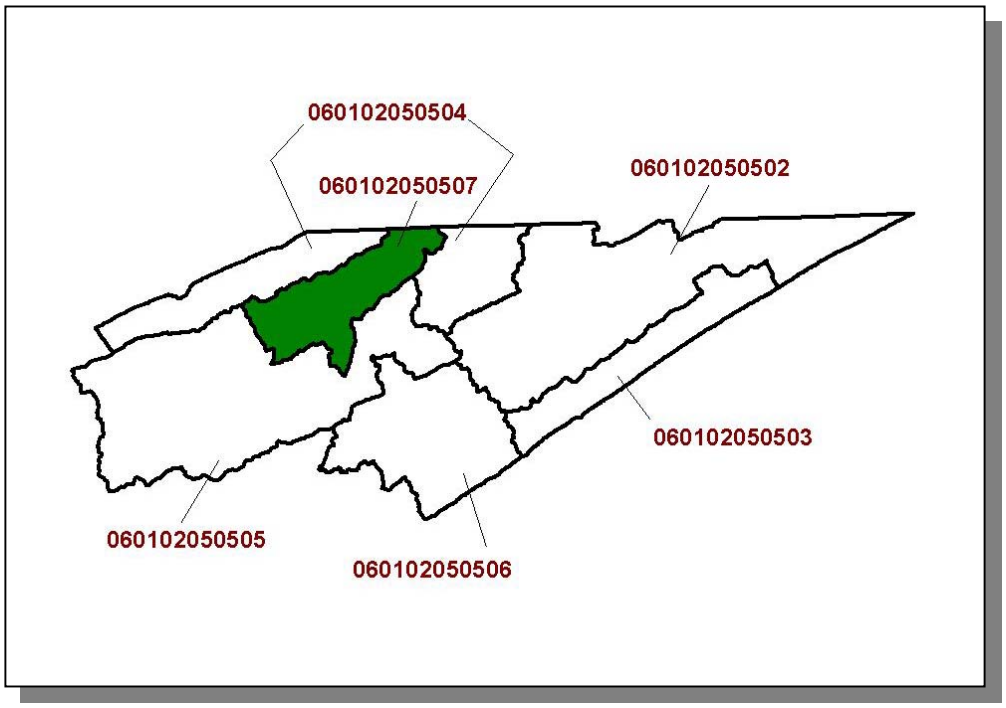


***Figure 4-89. Location of Subwatershed 060102050507.*** *All Upper Clinch River HUC-12 subwatershed boundaries in Tennessee are shown for reference.*

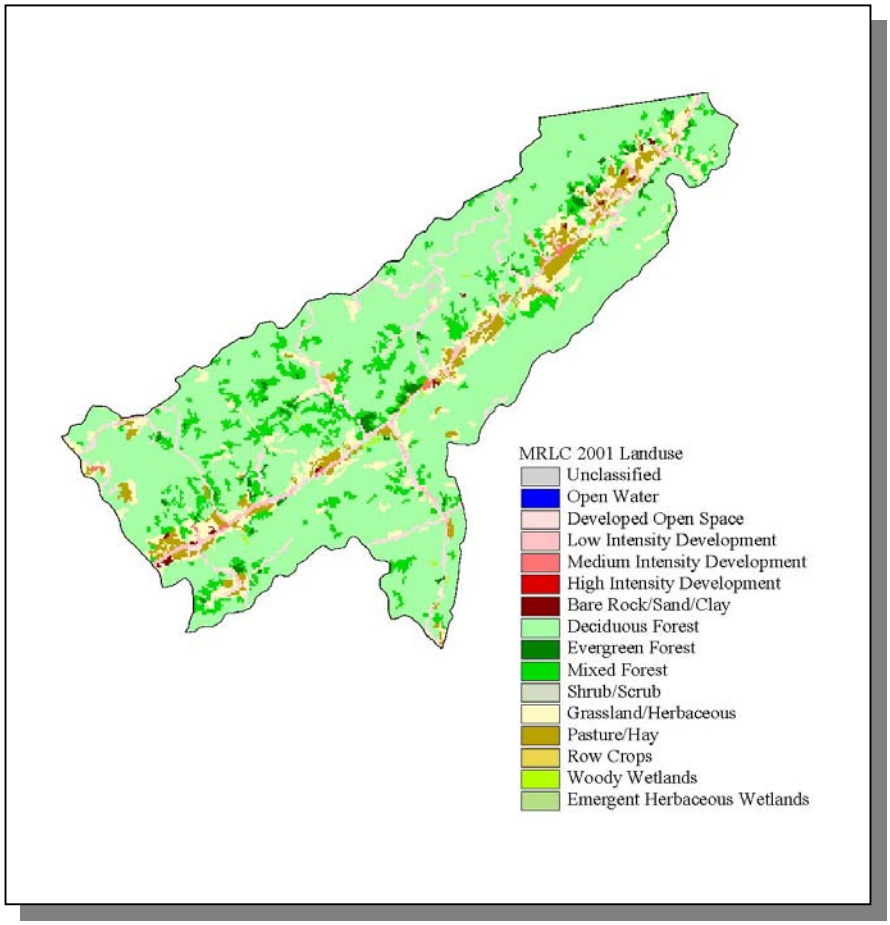


***Figure 4-90. Illustration of Land Use Distribution in Subwatershed 060102050507.***

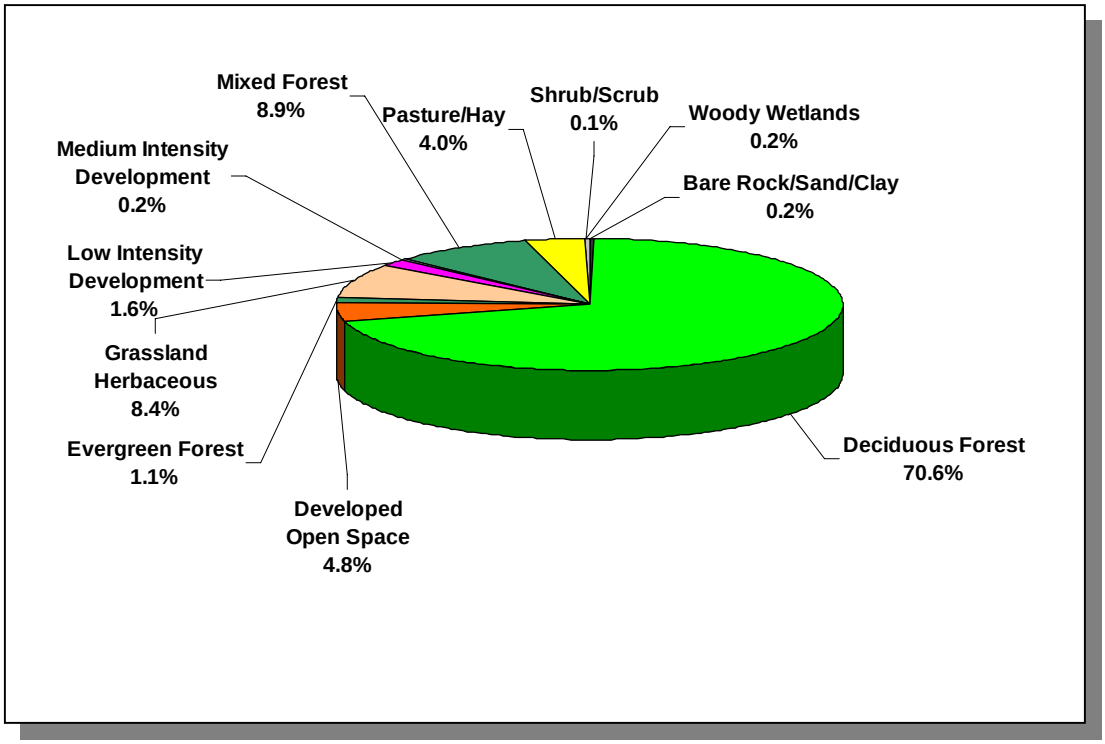


***Figure 4-91. Land Use Distribution in Subwatershed 060102050507.*** *More information is provided in Appendix IV.*

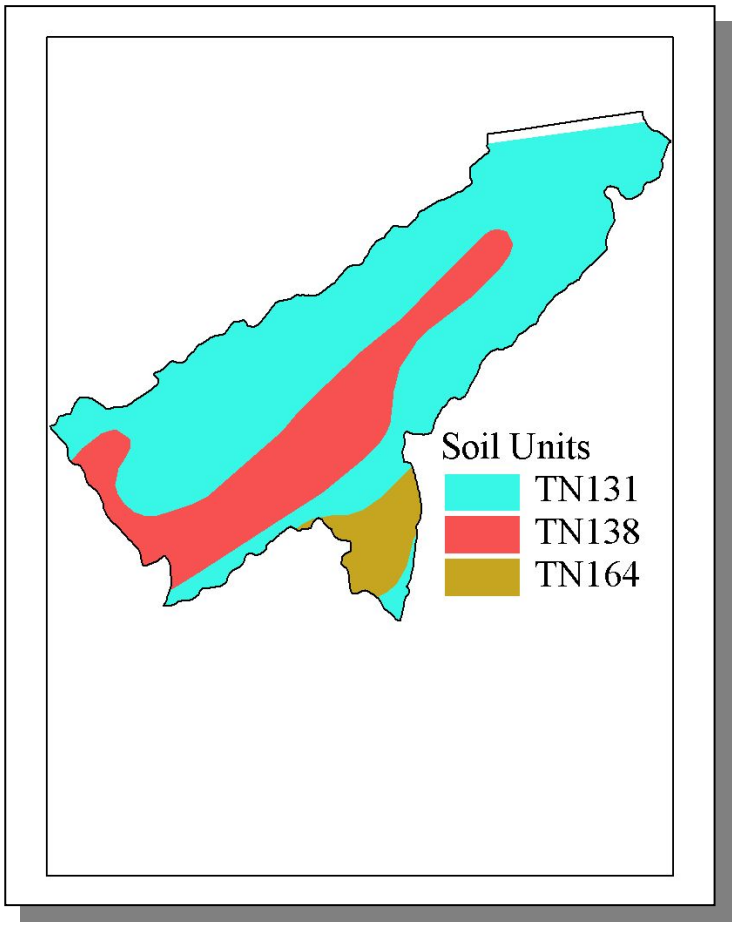


***Figure 4-92. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050507.***

| STATSGO MAP UNIT ID | PERCENT HYDRIC | HYDROLOGIC GROUP | PERMEABILITY (in/hour) | SOIL pH | ESTIMATED SOIL TEXTURE | SOIL ERODIBILITY |
|---|---|---|---|---|---|---|
| TN131 | 0.00 | C | 1.17 | 4.95 | Silty Loam | 0.33 |
| TN138 | 0.00 | C | 2.48 | 4.26 | Sandy Loam | 0.22 |
| TN164 | 0.00 | C | 4.48 | 5.15 | Loam | 0.25 |

***Table 4-83. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 060102050507.*** *The definition of "Hydrologic Group" is provided in Appendix IV.*

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| | COUNTY POPULATION | | | | ESTIMATED POPULATION IN WATERSHED | | | |
|---|---|---|---|---|---|---|---|---|
| County | 1990 | 1997 | 2000 | Portion of Watershed (%) | 1990 | 1997 | 2000 | % Change (1990-2000) |
| | | | | | | | | |
| Hancock | 6,739 | 6,801 | 6,786 | 5.19 | 350 | 353 | 352 | 0.6 |

***Table 4-84. Population Estimates in Subwatershed 060102050507.***

| | | | NUMBER OF HOUSING UNITS | | | |
|---|---|---|---|---|---|---|
| Populated Place | County | Population | Total | Public Sewer | Septic Tank | Other |
| | | | | | | |
| Sneedville | Hancock | 1,446 | 551 | 451 | 90 | 10 |

***Table 4-85. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 060102050507.***


***Figure 4-93. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 060102050507.*** *More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

4.2.B.vi.a. Point Source Contributions.

There are no point source contributions in this subwatershed.

4.2.B.vi.b. Nonpoint Source Contributions.

| LIVESTOCK COUNTS | | | |
|---|---|---|---|
| Beef Cow | Cattle | Milk Cow | Sheep |
| | | | |
| 139 | 280 | <5 | <5 |

***Table 4-86. Summary of Livestock Count Estimates in Subwatershed 060102060507.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.*

| LIVESTOCK COUNTS | | | | | | |
|---|---|---|---|---|---|---|
| County | Beef Cow | Cattle | Milk Cow | Chickens (Layers) | Hogs | Sheep |
| | | | | | | |
| Hancock | 7,079 | 14,311 | 89 | 364 | 0 | 67 |

***Table 4-87. Summary of Livestock Count Estimates in Hancock County.*** *According to the 1997 Census of Agriculture (http://www.nass.usda.gov/census/), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older.*

| | INVENTORY | | REMOVAL RATE | |
|---|---|---|---|---|
| County | Forest Land (thousand acres) | Timber Land (thousand acres) | Growing Stock (million cubic feet) | Sawtimber (million board feet) |
| | | | | |
| Hancock | 92.9 | 92.9 | 2.7 | 14.2 |

***Table 4-88. Forest Acreage and Annual Removal Rates (1987-1994) in Hancock County.***

| CROPS | TONS/ACRE/YEAR |
|---|---|
| Grass (Pastureland) | 2.54 |
| Grass (Hayland) | 0.66 |
| Grass, Forbs, Legumes (Mixed Pasture) | 0.79 |
| Corn (Row Crops) | 2.42 |
| Tobacco (Row Crops) | 23.03 |
| Farmsteads and Ranch Headquarters | 0.03 |

***Table 4-89. Annual Estimated Total Soil Loss in Subwatershed 060102050507.***